

RS700-E10-RS12U

Scalable, High Performance 1U Server



1U



CPU Number

2



Memory Number

32

ASUS RS700-E10-RS12U is a server powered 3rd Gen Intel Xeon Scalable processors that supports up to 32 DIMMs, one dual-slot GPU, 12 NVMe, three plus one PCIe slots, one OCP 3.0, one M.2 and ASUS ASMB10-iKVM.

FEATURE

- Powered by dual-socket 3rd Gen Intel Scalable processors
- CPU maximum TDP of up to 270 With 32 DIMMs and support
- GPU-optimized design allows one dual-slot GPU for AI workloads
- Up to 12 all-flash NVMe
- Up to three PCIe® 4.0 slots
- Flexible onboard LAN-module design
- Flexible air- and liquid-cooling solution

3rd Gen Intel Xeon Scalable processors

The latest Intel Xeon scalable processors offer up to 1.42x more cores per CPU and 1.52x computing performance increase. ASUS RS700-E10-RS12U supports dual Intel Scalable processors to enable up to 32 DIMM slots, all flash and PCIe Gen 4.0.

PCIe 4.0 Ready

PCI Express® (PCIe®) 4.0 delivers 16 GT/s bandwidth, which is double the speed of PCIe 3.0, offering lower power consumption, better lane scalability and backwards compatibility.

GPU and FPGA Support

Up to one dual-slot GPUs such as NVIDIA A100 in one 1U system and optimized acceleration for workloads across cloud, data center and for hybrid cloud environment

Cooling Solutions

Air or liquid-cooled solutions. Asetek's Direct-to-Chip (D2C) liquid-cooling technology achieving lower power-usage effectiveness (PUE) and optimized TCO for data centers.

Enhanced Security

PFR FPGA as the platform Root-of-Trust solution for firmware resiliency Trusted Platform Module 2.0 (TPM 2.0) to secure hardware through integrated cryptographic keys and offer regular firmware update for vulnerabilities.

RS700-E10-RS12U

SPECIFICATION

Processor Support.		2 x Socket P+ (LGA 4189) 3rd Gen Intel® Xeon® Scalable Processors Family(270w) UPI (11.2 GT/s)
Core Logic		Intel® C621A Chipset
Memory	Total Slots	32 (8-channel per CPU, 16 DIMM per CPU)
	Capacity	Maximum up to 6TB
	Memory Type	DDR4 3200/2933 RDIMM/LR-DIMM/LR-DIMM 3DS *Refer to ASUS server AVL for the latest update
	Memory Size	64GB, 32GB, 16GB, 8GB RDIMM 256GB, 128GB, 64GB RDIMM 3DS 128GB, 64GB LRDIMM 128GB LR-DIMM 3DS 512GB, 256GB, 128GB Intel® Optane™ DC persistent memory 200 Series (DCPMM)
Expansion Slots	Total PCI-E/PIKE Slots	3+1
	Slot Type	1 x PCIe x16 (Gen4 x16 link), FH, HL (CPU1) 1 x PCIe x16 (Gen4 x16 link), FH, HL or OCP3.0 (CPU2) 1 x PCIe Gen4 x8 or x16, LPHL (if PCIe M.2 is in use, it will operate at x8 link) (CPU2) Proprietary Slot: 1 x PCIe x8 (Gen4 x8 link), LP (Internal Slot for PIKE) (CPU1)
Disk Controller	SATA Controller	Intel® PCH C621A - 12 x SATA 6Gb/s ports - Intel® RSTe: Support software RAID 0, 1, 10 & 5 - Intel® VROC: Support software RAID 0, 1, 10 & 5, 50
	SAS Controller	Optional kits: ASUS PIKE II 3008 8-port SAS 12Gb/s HBA card ASUS PIKE II 3108 8-port SAS HW 12Gb/s RAID card Broadcom MegaRAID 9560-16i
Storage Bays	I = internal A or S will be hot-swappable	12 x 2.5" hot-swap bay with NVMe support -12 x NVMe/SAS*/SATA *SAS support only from SAS HBA/RAID card 2 x M.2 (supports PCIe mode 2260 or 2280 from CPU2)
Networking	LAN	Optional 1 x Quad Port Intel I350-AM4 1G LAN Controller or 1 x Dual Port Intel X710-AT2 Gigabit 10G LAN Controller Default Management Port
Graphic	VGA	Aspeed AST2600 64MB
Front I/O Ports		N/A
Rear I/O Ports		2 x USB 3.2 Gen1 ports, 1 x VGA port, 1 x RJ-45 Mgmt LAN port, 4/2 x NIC ports* 1 x OCP 3.0 port (optional) * The number of NIC ports available depends on the LAN Controller card installed.
Switch/LED		Front Switch/LED: 1 x Power Switch (w/ LED) 1 x Reset Switch 1 x Location Switch (w/ LED) 1 x HDD Access LED* 1 x Message LED, LAN 1/3 and 2/4 LED (on NIC module)** * The HDD Access LED is only functional when an ASUS PIKE II card is installed and connected. ** The number of LAN LEDs available depends on the LAN Controller card installed. Rear Switch/LED: 1 x Port 80 LED (Q-Code) 1 x Power Switch w/ LED 1 x Location Switch w/ LED
OS Support		Please find the latest OS support from http://www.asus.com/
Management Solution	Software	ASUS Control Center (Classic)
	Out of Band Remote Management	On-Board ASMB10-iKVM for KVM-over-IP

RS700-E10-RS12U

SPECIFICATION

Dimension	842.5mm x 439.5mm x 44mm (1U)
Net Weight Kg (CPU, DRAM & HDD not included)	13.7 kg
Gross Weight Kg (CPU, DRAM & HDD not included, Packing include)	22.56 kg
Power Supply (following different configuration by region)	1+1 Redundant 1200W 80 PLUS Platinum Power Supply 1600W 80 PLUS Titanium Power Supply 1600W 80 PLUS Platinum Power Supply
Environment	Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 60°C Non operation humidity: 20% ~ 90% (Non condensing)

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info



info



info

FEATURE

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Title

Introduce example paragraph With 32 DIMM slots that support up to 2TB of fast, DDR4-3200MHz 3DS ECC RDIMMs or LRDIMMs, ASUS RS720A-E11-RS24U delivers industry-leading memory capability for your business.



Make your QR code Website :

<https://www.unitag.io/qrcode>

Rules:

Color : **#002F87** | Look: Modules: **Light roundness** , Eyes: **Roundness and circle**

Size: **2.08 x 2.08 cm**

Under ASUS NDA